

Gellan lyase Recombinant Protein

Recombinant Geobacillus stearothermophilus Gellan lyase

CATALOG #
AAA115775

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

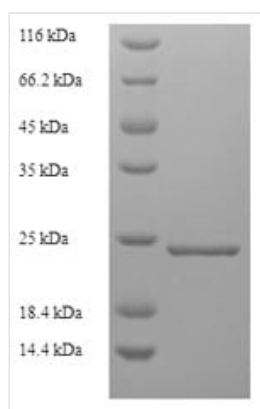
PRODUCT SYNONYMS

Gellan lyase; Recombinant Geobacillus stearothermophilus Gellan lyase; Gellan lyase recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-204aa; Partial
Sequence	LVSESNPGR IPAGGKGATI RAARPLATT LNGPKAGNGT TGATKLTPA RPLSEGANMM CDHRAGGNAA ISGSSVGEGT ARAGDSKVMS RMLSPKGSII AGTVNMMPAD IAAGSVRTPS SLPPDGRSAT PMSVSEVASD ISHKDGSVNV TKDPVTAAGL TAMRKNANKG SPPASPLPLK ADNKGVHINK HWVDLKNNDND FNTR
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Gellan lyase recombinant protein

Cleaves the glycosidic bonds of gellan backbone and releases tetrasaccharide units of glucuronyl-glucosyl-rhamnosyl-glucose with unsaturated glucuronic acid at the non-reducing terminal. The enzyme is highly specific to the heteropolysaccharide gellan.

References	Primary structure analysis of a purified thermostable gellan lyase produced by Bulgarian geothermal spring inhabitant <i>Geobacillus stearothermophilus</i> 98. Atanassova M., Rodriguez-Alonso P., Garabal J.I., Derekova A., Terziiska A., Mandeva R., Kambourova M. Eur. J. Biochem. 0:0-0(2008) Primary structure analysis of a purified thermostable gellan lyase produced by Bulgarian geothermal spring inhabitant <i>Geobacillus stearothermophilus</i> 98. Atanassova M., Rodriguez-Alonso P., Garabal J.I., Derekova A., Terziiska A., Mandeva R., Kambourova M. Eur. J. Biochem. 0:0-0(2008) Biosynthesis of a thermostable gellan lyase by newly isolated and characterized strain of <i>Geobacillus stearothermophilus</i> 98. Derekova A., Sjöholm C., Mandeva R., Michailova L., Kambourova M. Extremophiles 10:321-326(2006) Physicochemical characteristics of a thermostable gellan lyase from <i>Geobacillus stearothermophilus</i> 98. Derekova A., Atanassova M., Christova P., Tchorbanov B., Shosheva A., Mandeva R., Rodriguez-Alonso P., Garabal J.I., Kambourova M. Z. Naturforsch. C Biosci. 65:231-238(2010)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226697527
UniProt Accession #	P85513
Molecular Weight	22.5 kDa
NCBI Official Full Name	Gellan lyase
UniProt Protein Name	Gellan lyase
UniProt Entry Name	GELL_GEOSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.